

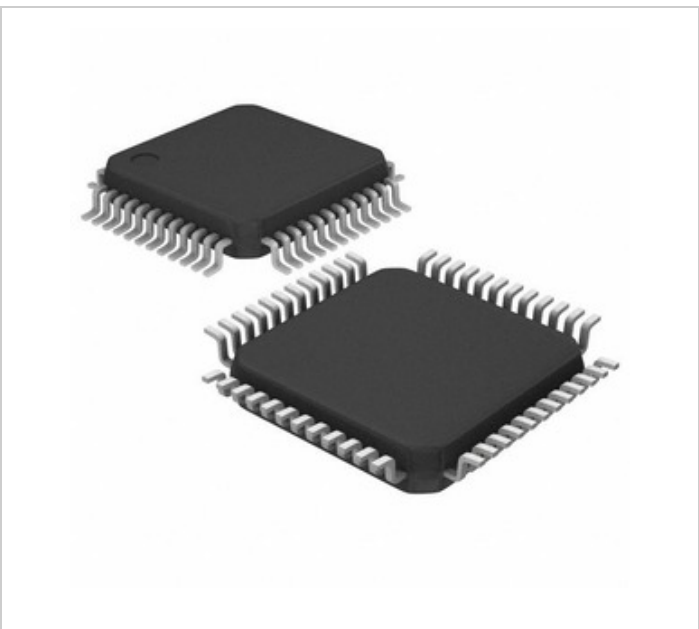


Image may be representation. See specifications for product details.

### MC9S12GC16VFAE

|                     |                                                                                                                      |
|---------------------|----------------------------------------------------------------------------------------------------------------------|
| Part Number:        | MC9S12GC16VFAE                                                                                                       |
| Manufacturer/Brand: | NXP Semiconductors / Freescale                                                                                       |
| Product description | IC MCU 16BIT 16KB FLASH 48LQFP                                                                                       |
| Datasheets:         |  <a href="#">MC9S12GC16VFAE.pdf</a> |
| RoHs Status         |  Lead free / RoHS Compliant         |
| Ship From           | Hong Kong                                                                                                            |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                |

REQUEST FOR QUOTATION

#### Specifications of MC9S12GC16VFAE

|                                  |                                                                                                                        |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | MC9S12GC16VFAE                                                                                                         |
| MANUFACTURER                     | NXP Semiconductors / Freescale                                                                                         |
| DESCRIPTION                      | IC MCU 16BIT 16KB FLASH 48LQFP                                                                                         |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                             |
| DATA SHEET                       |  <a href="#">MC9S12GC16VFAE.pdf</a> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2.35 V ~ 5.5 V                                                                                                         |
| SUPPLIER DEVICE PACKAGE          | 48-LQFP (7x7)                                                                                                          |
| SPEED                            | 25MHz                                                                                                                  |
| SERIES                           | HCS12                                                                                                                  |
| RAM SIZE                         | 1K x 8                                                                                                                 |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                  |
| PROGRAM MEMORY SIZE              | 16KB (16K x 8)                                                                                                         |
| PERIPHERALS                      | POR, PWM, WDT                                                                                                          |
| PACKAGING                        | Tray                                                                                                                   |
| PACKAGE / CASE                   | 48-LQFP                                                                                                                |
| OSCILLATOR TYPE                  | Internal                                                                                                               |
| OPERATING TEMPERATURE            | -40°C ~ 105°C (TA)                                                                                                     |
| NUMBER OF I/O                    | 31                                                                                                                     |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                          |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                             |
| EEPROM SIZE                      | -                                                                                                                      |
| DETAILED DESCRIPTION             | HCS12 HCS12 Microcontroller IC 16-Bit 25MHz 16KB (16K x 8) FLASH 48-LQFP (7x7)                                         |
| DATA CONVERTERS                  | A/D 8x10b                                                                                                              |
| CORE SIZE                        | 16-Bit                                                                                                                 |
| CORE PROCESSOR                   | HCS12                                                                                                                  |
| CONNECTIVITY                     | EBI/EMI, SCI, SPI                                                                                                      |
| BASE PART NUMBER                 | MC9S12GC16                                                                                                             |

#### Related Tags

|                                               |                                         |                                                   |
|-----------------------------------------------|-----------------------------------------|---------------------------------------------------|
| NXP Semiconductors / Freescale MC9S12GC16VFAE | MC9S12GC16VFAE Distributor              | MC9S12GC16VFAE Supplier                           |
| MC9S12GC16VFAE Price                          | MC9S12GC16VFAE Pictures                 | MC9S12GC16VFAE Image                              |
| MC9S12GC16VFAE PDF Datasheet                  | MC9S12GC16VFAE Download Datasheet       | MC9S12GC16VFAE Datasheet                          |
| MC9S12GC16VFAE Stock                          | Buy MC9S12GC16VFAE                      | Buy NXP Semiconductors / Freescale MC9S12GC16VFAE |
| NXP Semiconductors / Freescale MC9S12GC16VFAE | NXP Semiconductors / Freescale Supplier | NXP Semiconductors / Freescale Distributor        |
| NXP Semiconductors / Freescale MC9S12GC16VFAE | NXP Semiconductors MC9S12GC16VFAE       | Freescale MC9S12GC16VFAE                          |
| Freescale Semiconductor - NXP MC9S12GC16VFAE  | NXP USA Inc. MC9S12GC16VFAE             |                                                   |

#### Related Products

|                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                               |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>MC9S12GC32CFAE</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 16BIT 32KB FLASH 48LQFP<br/>In stock: 897 pcs<br/><b>RFQ</b></div>   |  <div><b>MC9S12GC32MFAE</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 16BIT 32KB FLASH 48LQFP<br/>In stock: Out stock<br/><b>RFQ</b></div> |
|  <div><b>MC9S12GC16MFAE</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 16BIT 16KB FLASH 48LQFP<br/>In stock: Out stock<br/><b>RFQ</b></div> |  <div><b>MC9S12GC16CPBE</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 16BIT 16KB FLASH 52LQFP<br/>In stock: Out stock<br/><b>RFQ</b></div> |
|  <div><b>MC9S12GC32MFUE</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 16BIT 32KB FLASH 80QFP<br/>In stock: Out stock<br/><b>RFQ</b></div>  |  <div><b>MC9S12GC16CFUE</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 16BIT 16KB FLASH 80QFP<br/>In stock: Out stock<br/><b>RFQ</b></div>  |
|  <div><b>MC9S12GC32CPBE</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 16BIT 32KB FLASH 52LQFP<br/>In stock: 14 pcs<br/><b>RFQ</b></div>    |  <div><b>MC9S12GC16MPBE</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 16BIT 16KB FLASH 52LQFP<br/>In stock: Out stock<br/><b>RFQ</b></div> |
|  <div><b>MC9S12GC32CFUE</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 16BIT 32KB FLASH 80QFP<br/>In stock: 220 pcs<br/><b>RFQ</b></div>    |  <div><b>MC9S12GC16CFAE</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 16BIT 16KB FLASH 48LQFP<br/>In stock: Out stock<br/><b>RFQ</b></div> |
|  <div><b>MC9S12GC32MPBE</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 16BIT 32KB FLASH 52LQFP<br/>In stock: Out stock<br/><b>RFQ</b></div> |  <div><b>MC9S12GC16MFUE</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 16BIT 16KB FLASH 80QFP<br/>In stock: Out stock<br/><b>RFQ</b></div>  |